

What is Claimed Is:

1. A computer-managed deposit system for articles, in particular disposable packaging articles, comprising the following method steps: associating the article with a unique identification from a plurality of identifications managed in a database thereby forming a linkage, associating the identification from the database with a deposit value, using the article in at least one intermediate step, detecting the identification of the article and identifying the article on the basis of the identification, and cancelling the linkage of the identification in the database when returning the deposit on the article.

2. A deposit system as set forth in claim 1 wherein in that the identification is arranged on the article on which a deposit is to be put.

3. A deposit system as set forth in claim 1 wherein the identification is printed on the article and applied to the article by a sticker.

4. A deposit system as set forth in claim 1 wherein the identification of the article is forgery-proof.

5. A deposit system as set forth in claim 1 wherein the deposit value of the article is refunded to a person handing in the article, in particular being credited in a cashless procedure.

6. A deposit system as set forth in claim 5 wherein, when the article is handed in, additional data which can be associated with the person are recorded and processed.

7. A deposit system as set forth in claim 1 wherein the identification of the article is linked with further items of information.

8. A deposit system as set forth in claim 1 wherein the article remains undamaged upon being handed in.

9. A return device for articles bearing a deposit, in particular for disposable packaging articles and in particular for use with the deposit system as set forth in claim 1, comprising a receiving device and at least one detection apparatus, wherein the detection apparatus detects an article arranged in the receiving device on the basis of an identification applied thereto and clearly identifies it.

10. A return device as set forth in claim 9 further comprising at the return device a deposit-removal device, by means of which the deposit can be redeemed from the article in a deposit-removal operation and a deposit value associated with the article can be passed to a settlement procedure.

11. A return device as set forth in claim 10 wherein the deposit-removal device during the deposit-removal operation is at least temporarily in communication with at least one database in which the linkage of the identification is cancelled and in that way further use thereof is prevented.

12. A return device as set forth in claim 10 wherein the deposit-removal device has communication means, by way of which it makes a connection to a data processing apparatus with access to a database.

13. A return device as set forth in claim 9 wherein for positioning of the inserted article the receiving device has at least one guide means for proper alignment of the article.

14. A return device as set forth in claim 9 wherein the receiving device has a closure mechanism which is integrated or which can be arranged separately thereon.

15. A return device as set forth in claim 9 wherein detection means in the form of a light barrier arrangement and/or a scanner and/or a camera are provided at the detection apparatus.

16. A return device as set forth in claim 9 wherein that arranged at the return device is a display device, in particular a viewing window and/or an optical and/or acoustic signalling means and/or a display for imparting information to a user.

17. A return device as set forth in claim 9 wherein the return device can be arranged at a collecting container for the articles to be taken back.

18. A return device as set forth in claim 9 wherein the return device has a mains-independent or mains-supported voltage supply.

19. A return device as set forth in claim 9 wherein it has a user interface which permits a user an interaction with the return device, in particular implementation of a settlement procedure for redeeming the deposit value.

20. An originality seal for identifying an article, in particular a disposable packaging article and in particular for use in the deposit system as set forth in claim 1, comprising an adhesive layer for fixing to the article, a printable carrier layer which is arranged on the adhesive layer and which can be provided with an identification associated with the article, and a seal layer which at least partially covers over the carrier layer and which is only destructibly detachable from the carrier layer.

21. An originality seal as set forth in claim 20 wherein the adhesive layer is a non-removable adhesive.

22. An originality seal as set forth in claim 20 wherein that the carrier layer has at least one incision.

23. An originality seal as set forth in claim 20 wherein the identification includes a two-dimensional bar code.

24. An originality seal as set forth in claim 20 wherein the seal layer has an additional visual feature.

25. An originality seal as set forth in claim 20 wherein the seal layer comprises an adhesive, a wax or a rubber coating.

26. A detection unit, in particular for use with a deposit system as set forth in claim 1 for automatically detecting an identification of an article having a deposit thereon, in particular a scanner for detecting the identification of a disposable packaging article, having detection means for reading off the identification and means for ensuring that detection of the identification takes place only when the packaging article is emptied.

27. A detection unit as set forth in claim 26 wherein a receiving device for the packaging article, which is so dimensioned that the packaging article can be received therein only in the emptied condition.

28. A detection unit as set forth in claim 27 wherein the receiving device is of a substantially bridge-shaped configuration with a free space extending between two limbs, wherein the internal distance between the front ends of the limbs is slightly less than the outside diameter of the packaging article to be detected and the reading unit is arranged substantially at the apex of the bridge-shaped opening.

29. A detection unit as set forth in claim 28 wherein the internal distance between the limbs is adjustable.

30. A detection unit as set forth in claim 26 wherein a loop or the like which is so dimensioned that reading of the deposit mark is possible only

when the loop is introduced into the opening of the packaging article from which the deposit is to be redeemed.

31. A detection unit as set forth in claim 30 wherein the loop is of a substantially U-shaped configuration.

32. A detection unit as set forth in claim 30 wherein the loop is adjustable in size.

33. A detection unit as set forth in claim 26 wherein it has a bar so positioned that reading of the deposit mark can be effected only when the bar passes through the packaging article.

34. A detection unit as set forth in claim 26 wherein sound-generating means for applying a sound pulse to the packaging article and sound-detection means for detecting the sound pulse